OIPE JC
MAR 2 9 2004
PATENT & TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Form PTO-1449 (Modified)
(Use several sheets if necessary)

Sheet	1	of	5

COMPLETE IF KNOWN	
Application Number	10/683,676
Confirmation Number	1814
Filing Date	October 9, 2003
First Named Inventor	Theodore M. Taylor
Group Art Unit	3723
Examiner Name	(To Be Assigned)
Attorney Docket No.	108298732US

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent or Application NUMBER	Kind Code (if known)	Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
GN		4,498,345		Dyer et al.	02/12/1985	
		4,501,258		Dyer et al.	02/26/1985	
		4,502,459		Dyer	03/05/1985	
		4,971,021		Kubotera et al.	11/20/1990	
		5,036,015		Sandhu et al.	07/3019/91	
		5,069,002		Sandhu et al.	12/03/1991	
		5,081,796		Schultz	01/21/1992	
		5,163,334		Li et al.	11/17/1992	
		5,209,816		Yu et al.	05/11/1993	
		5,222,329		Yu	06/29/1993	
		5,240,552		Yu et al.	08/31/1993	
		Re. 34,425		Schultz	11/02/1993	
		5,354,490		Yu et al	10/11/1994	
		5,413,941		Koos et al.	05/09/1995	
		5,433,649		Nishida	07/18/1995	
		5,433,651		Lustig et al.	07/18/1995	
		5,439,551		Meikle et al.	08/08/1995	
		5,540,810		Sandhu et al.	07/30/1996	
		5,573,442		Morita et al.	11/12/1996	
		5,632,666		Peratello et al.	05/27/1997	
		5,643,048		Iyer	07/01/1997	
		5,663,797		Sandhu	09/02/1997	
		5,668,061		Herko et al.	09/16/1997	
		5,681,204		Kawaguchi et al.	10/28/1997	
GN		5,738,562		Doan et al.	04/14/1998	

EXAMINER	DATE CONSIDERED
	10/14/04

*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Application Number	10/683,676
				Confirmation Number	1814
				Filing Date	October 9, 2003
				First Named Inventor	Theodore M. Taylor
				Group Art Unit	3723
				Examiner Name	(To Be Assigned)
Sheet	2	of	5	Attorney Docket No.	108298732US

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent or Application NUMBER	Kind Code (if known)	Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
GN		5,777,739		Sandhu et al.	07/07/1998	
		5,798,302		Hudson et al.	08/25/1998	
		5,827,781		Skrovan et al.	10/27/1998	
		5,855,804		Walker	01/05/1999	
		5,868,896		Robinson et al.	02/09/1999	
		5,893,754		Robinson et al.	04/13/1999	
		5,895,550		Andeas	04/20/1999	
		5,910,846		Sandhu	06/08/1999	
		5,916,819		Skrovan et al	06/29/1999	
		5,930,699		Bhatia	07/27/1999	
		5,934,973		Boucher et al.	08/10/1999	
		5,936,733		Sandhu et al.	08/10/1999	
		5,981,396		Robinson et al.	11/09/1999	
		5,990,012		Robinson et al.	11/23/1999	
		5,994,224		Sandhu et al.	11/30/1999	
		6,006,739		Akram et al.	12/28/1999	
		6,007,408		Sandhu	12/28/1999	
		6,040,245		Sandhu et al.	03/21/2000	
		6,046,111		Robinson	04/04/2000	
		6,057,602		Hudson et al.	05/02/2000	
		6,060,395		Skrovan et al.	05/09/2000	
		6,074,286		Ball	06/13/2000	
		6,077,785		Andreas	06/20/2000	
		6,108,092		Sandhu	08/22/2000	
GN		6,116,988		Ball	09/12/2000	

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Application Number	10/683,676
				Confirmation Number	1814
				Filing Date	October 9, 2003
				First Named Inventor	Theodore M. Taylor
				Group Art Unit	3723
				Examiner Name	(To Be Assigned)
Sheet	3	of	5	Attorney Docket No.	108298732US

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent or Application NUMBER	Kind Code (if known)	Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
GN		6,124,207		Robinson et al.	09/26/2000	
A		6,136,218		Skrovan et al.	10/24/2000	
		6,143,123		Robinson et al.	11/07/2000	
		6,152,803		Boucher et al.	11/28/2000	
		6,176,763	B1	Kramer et al.	01/23/2001	
		6,184,571	B1	Moore	02/06/2001	
		6,187,681	B1	Moore	02/13/2001	
		6,190,494	B1	Dow	02/20/2001	
		6,191,037	B1	Robinson et al.	02/20/2001	
		6,191,864	B1	Sandhu	02/20/2001	
		6,203,404	B1	Joslyn et al.	03/20/2001	
		6,206,754	B1	Moore	03/27/2001	
		6,206,756	B1	Chopra et al.	03/27/2001	
		6,206,757	B1	Custer et al.	03/27/2001	
		6,206,769	B1	Walker	03/27/2001	
		6,208,425	B1	Sandhu et al.	03/27/2001	
		6,213,845	B1	Elledge	04/10/2001	
		6,234,874	B1	Ball	05/22/2001	
		6,234,877	B1	Koos et al.	05/22/2001	
		6,234,878	B1	Moore	05/22/2001	
		6,250,994	B1	Chopra et al.	06/26/2001	
		6,261,151	B1	Sandhu et al.	07/17/2001	
		6,267,650	B1	Hembree	07/31/2001	
		6,271,139	B1	Alwan et al.	08/07/2001	
GN		6,273,786	B1	Chopra et al.	08/14/2001	

EXAMINER	DATE CONSIDERED
	10/14/04

*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Application Number	10/683,676
				Confirmation Number	1814
				Filing Date	October 9, 2003
				First Named Inventor	Theodore M. Taylor
				Group Art Unit	3723
				Examiner Name	(To Be Assigned)
Sheet	4	of	5	Attorney Docket No.	108298732US

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent or Application NUMBER	Kind Code (if known)	Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
GN		6,276,996	B1	Chopra	08/21/2001	
		6,287,879	B1	Gonzales et al.	09/11/2001	
		6,290,572	B1	Hofmann	09/18/2001	
		6,301,006	B1	Doan	10/09/2001	
		6,306,012	B1	Sabde	10/23/2001	
		6,306,768	B1	Klein	10/23/2001	
		6,312,486		Sandhu et al.	11/06/2001	
		6,312,558	B2	Moore	11/06/2001	
		6,313,038	B1	Chopra et al.	11/06/2001	
		6,319,420	B1	Dow	11/20/2001	
		6,323,046	B1	Agarwal	11/27/2001	
		6,350,180	B2	Southwick	02/26/2002	
		6,354,917	B1	Ball	03/12/2002	
		6,354,930	B1	Moore	03/12/2002	
		6,362,105	B1	Moore	03/26/2002	
		6,364,746	B2	Moore	04/02/2002	
		6,368,194	B1	Sharples et al.	04/09/2002	
		6,375,548	B1	Andreas	04/23/2002	
		6,376,381	B1	Sabde	04/23/2002	
		6,402,884	B1	Robinson et al.	06/11/2002	
		6,407,000	B1	Hudson	06/18/2002	
		6,447,369	B1	Moore	09/10/2002	
		6,537,133	B1	Birang et al.	03/25/2003	
		6,579,799	B2	Chopra et al.	06/17/2003	
GN		6,609,947	B1	Moore	08/26/2003	

EXAMINER	DATE CONSIDERED
	10/14/04

*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Application Number	10/683,676
				Confirmation Number	1814
				Filing Date	October 9, 2003
				First Named Inventor	Theodore M. Taylor
				Group Art Unit	3723
				Examiner Name	(To Be Assigned)
Sheet	5	of	5	Attorney Docket No.	108298732US

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
GN	**	KONDO, S. et al., "Abrasive-Free Polishing for Copper Damascene Interconnection," Journal of The Electrochemical Society, Vol. 147, No. 10, pp. 3907-3913, 2000, The Electrochemical Society, Inc., Pennington, NJ.	
	**	KAWAHASHI, N. and M. HATTORI, "An Evaluation on The Effects of Newly Designed Abrasives in CMP Slurry," Mat. Res. Soc. Symp. Proc., Vol. 671, pp. M2.2.1 - M2.2.8, 2001, Materials Research Society, Warrendale, PA.	
	**	CHOI, K.S. et al., "Engineered porous and coated Silica particulates for CMP applications," Mat. Res. Soc. Symp. Proc., Vol. 671, pp. M5.8.1 - M5.8.10, 2001, Materials Research Society, Warrendale, PA.	
	**	JINDAL, A. et al., "Chemical Mechanical Polishing Using Mixed Abrasive Slurries," Electrochemical and Solid-State Letters, Vol. 5, No. 7, pp. G48-G50, 2002, The Electrochemical Society, Inc., Pennington, NJ.	
	**	YANO, H. et al., "High-performance CMP Slurry with Inorganic/Resin Abrasive for Al/Low k Damascene," Mat. Res. Soc. Symp. Proc., Vol. 671, pp. M2.4.1 - M2.4.5, 2001, Materials Research Society, Warrendale, PA.	
	**	KAWAGUCHI, H., "Functional polymer microspheres," Prog. Polym. Sci., Vol. 25, Issue 8, pp. 1171-1210, October 2000, Elsevier Science Ltd.	
	**	ISHIZU, K., "Synthesis and Structural Ordering of Core-Shell Polymer Microspheres," Prog. Polym. Sci., Vol. 23, Issue 8, pp. 1383-1408, December 1998, Elsevier Science Ltd.	
GN	**	LEE, S-H. et al., "Chemical mechanical polishing of thermal oxide films using silica particles coated with ceria," J. Mater. Res., Vol. 17, No. 10, pp. 2744-2749, October 2002, Materials Research Society, Warrendale, PA.	

EXAMINER	DATE CONSIDERED
	10/14/04

*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).